

4.2 Everyday Use of Proportions

In our everyday lives, we often need to solve proportion problems. So do bakers, tailors, designers, and people in many other occupations.

You may have heard someone say, “A pint is a pound the world around.” This saying suggests how to compare liquid measures with weight. It tells us that a pint of liquid weighs about a pound. If you drink a quart of milk a day, you might ask,

“About how much does a quart of liquid weigh?”

Problem 4.2 Applications of Proportions

- A.** Jogging 5 miles burns about 500 Calories. How many miles will Tanisha need to jog to burn off the 1,200-Calorie lunch she ate?
- B.** Tanisha jogs about 8 miles in 2 hours. How long will it take her to jog 12 miles?
- C.** Sam’s grandmother says that “a stitch in time saves nine.”
 - 1.** What do you think Sam’s grandmother means?
 - 2.** Sam’s grandmother takes 25 stitches in time. How many does she save?
- D.** Imani gives vitamins to her adult dogs. The recommended dosage is 2 teaspoons per day for adult dogs weighing 20 pounds. She needs to give vitamins to Bruiser, who weighs 75 pounds, and to Dust Ball, who weighs 7 pounds. What is the correct dosage for each dog?

